Iterative Algorithm for Finding Approximate Solutions of a Class of Mixed Variational-like Inequalities

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摘要　　The purpose of this paper is to investigate the

iterative algorithm for finding approximate solutions of a class

of mixed variational-like inequalities in a real Hilbert space,

where the iterative algorithm is presented by virtue of the

auxiliary principle technique. On one hand, the existence of

approximate solutions of this class of mixed variational-like

inequalities is proven. On the other hand, it is shown that the

approximate solutions converge strongly to the exact solution of

this class of mixed variational-like inequalities.

关键词　　Mixed variational-like inequality, auxiliary principle technique, iterative algorithm, existence, strong convergence

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